

# AMENDED TRANSLATION - FOR EXAMINATION

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT  
COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International bureau

WIPO  
OMPI

(43) International Publication Date  
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number  
WO 2005/092756 A1

(51) International Patent Classification<sup>7</sup>:  
B65H 61/00, 63/08

(21) International Application Number:  
PCT/FR2005/050106

(22) International Filing Date:  
18 February 2005 (18.02.2005)

(25) Filing language: French

(26) Publication Language: French

(30) Priority Data:  
0450459 8 March 2004 (08.03.2004) FR

(71) Applicant (for all designated States except US): RIETER  
TEXTILE MACHINEREY FRANCE [FR/FR]; Allée  
Charles Baron, Z.I. les Auréats, F-26014 Valence  
Cedex (FR).

(72) Inventor; and  
(75) Inventor/Applicant (for US only): CORAL, Gilles  
[FR/FR]; 2, allée de Myosotis, F-26760 Beaumont les  
Valence (FR).

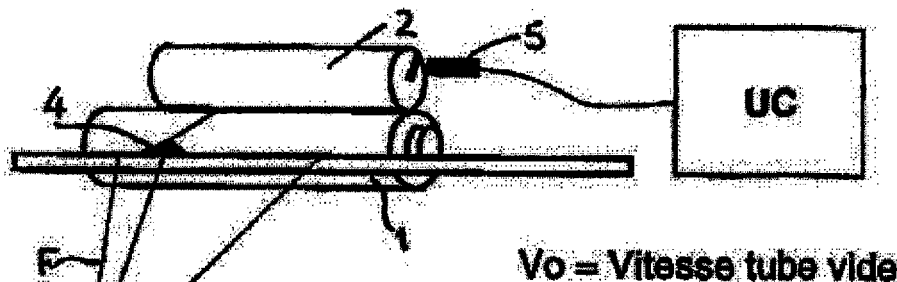
(74) Agent: THIVILLIER, Patrick; 3 place de l'Hôtel de  
Ville, B.P. 203, F-42005 Saint Etienne Cedex 1 (FR).

(81) Designated States (unless otherwise indicated for every  
kind of national protection available): AE, AG, AL,  
AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,  
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,  
EG, ES, FI, GB,

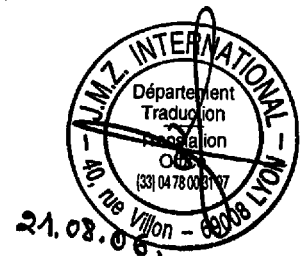
[continued next page]

(54) Title: METHOD FOR REINITIALIZING COUNT OF THREAD REEL LENGTH

(54) Titre : PROCEDE DE REINITIALISATION DU COMPTAGE DE LONGUEUR DES BOBINES DE FIL



UC...CENTRAL PROCESSING UNIT  
Vo...EMPTY TUBE SPEED



(57) Abstract: The invention concerns a method whereby the rotational speed ( $V_o$ ) obtained with the empty reel is first recorded; it consists in measuring, after start-up, the rotational speed ( $V_d$ ) of the reel being formed corresponding to the maximum speed reached at the end of the start-up acceleration phase (A) and at the start of the gradual decelerating phase following the winding phase (B) and in comparing with that obtained when the reel is empty; if the rotational speed measured after start-up is substantially equal (or higher) than the rotational speed obtained with the empty reel, then the length count is reinitialized; if the rotational speed measured after start-up is substantially lower than the rotational speed obtained with the empty reel, then the counting is restarted where it was interrupted.

(57) Abrégé : La vitesse de rotation ( $V_o$ ) obtenue avec la bobine vide étant préalablement enregistrée ; on mesure, après le démarrage, la vitesse de rotation ( $V_d$ ) de la bobine en formation qui correspond à la vitesse maximale atteinte à la fin de la phase d'accélération du

# AMENDED TRANSLATION - FOR EXAMINATION

WO 2005/092756 A1

GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** (unless otherwise indicated for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before expiry of the time allowed for amendment of the claims, will be republished if amendments are received.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

et au début de la phase de ralentissement progressif consécutif de la phase de bobinage (B) et on la compare avec celle obtenue lorsque la bobine est vide ; si la vitesse de rotation mesurée après le démarrage est sensiblement égale (ou supérieure) à la vitesse de rotation obtenue avec la bobine vide, alors on effectue la réinitialisation du comptage de longueur ; si la vitesse mesurée après démarrage est sensiblement inférieure à la vitesse de rotation obtenue avec la bobine vide, alors on reprend le comptage là où il en était resté.

